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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/939,847	08/27/2001	Daniel Lee Thompson	G&C 30566.129US01	3159

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EXAMINER

CHEN, TE Y

ART UNIT	PAPER NUMBER
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2171

DATE MAILED: 04/21/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/939,847

Applicant(s)

THOMPSON ET AL.

Examiner

Susan Y Chen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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Response to Amendment

This is in response to amendment filed on 02/20/2004.

Claims 1-36 are pending for examination, claims 1, 3, 5, 13, 15, 17, 20, 21, and 25 have been amended.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

As to claims 1 and 13 applicant fails to provide the link/mapping of the claimed a first, a second portable stylization processes and the claimed a second, a third computer systems, therefore, the missing link/mapping renders these claims as indefinite.

As to the claims 2-12 and 14-24, these claims have the same defects as their base claims hence are rejected for the same reason.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-36, are rejected under 35 U.S.C. 102(e) as to the best of examiner understanding being anticipated by Helgeson et al. (U.S. Patent No. 6,643,652).

As to claim 13, Helgeson et al. (hereinafter referred as Helgeson) discloses a system as claimed by applicant for stylizing data (or transform data) [e.g., see Abstract, lines 3-9; col. 2, lines 51-67] in a computer network system [e.g. see, Fig. 1], comprising:

a) an objected-oriented computer system having memory and a data storage device coupled thereto [e.g., see 211, 209, 217, 219, 221, 223, Fig. 2; col. 5, lines 13-41];

b) a domain object stored in the memory of a first computer system, the domain object comprising an object representation of data stored in a database for a domain

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entity [e.g. the business object of the fgt-dd-class which stored in the meta-data store as a database table (as shown at col. 14 , 2a. The Meta-data Store section) of a business Development Kit (BDK) application server computer system (e.g. col. 13, lines 10-18)];

c) a first portable stylization process [the Platform 501 processing, Fig. 5 and associated texts starting at col. 6, line 26 at seq.] configured to stylize the domain object into an application object [e.g., the BDK (519), Fig. 5 and associated text starting at col. 6, line, 32 at seq.] wherein the application object is stored in the memory of a second computer system [e.g., the platform 501, Fig. 5], the application object comprising an object representation of the data in the domain object that is relevant for a particular computer application [e.g., col. 6, lines 32-60];

d) a second portable stylization process [e.g., WDK server processing (523), Fig. 5 and associated texts starting at col. 6, line 43 at seq.] configured to stylize the application object into a presentation object [e.g., HTML or WML object, col. 6, line 48], wherein the presentation object is stored in the memory of a third computer system [e.g., the client computer system, 515, Fig. 5], the presentation object comprising an object [e.g. the XML, XSL object] representation that encapsulates a visual appearance of the data in the application object [e.g., Fig. 5 and associated texts starting at col. 5, line 54 at seq.].

As to claim 14, the claimed feature – domain object contains all information about the domain entity -- is a default design criteria of a domain object;

As to claims 15 and 17, Helgeson further discloses the stylization agent object configured to stylize the application and application objects for the domain object based on stylization context (e.g. the metadata, the Resource Description Format derived from a stylization BDK) [e.g., see Fig(s). 12 – 16 and associated texts; col. 114, lines 61-67, col. 115, lines 10-33].

As to claim 16, the claimed feature – the application object comprises business logic for the particular application is the nature property of a of business application.

As to claims 18-19, Helgeson further discloses a stylizer object [e.g., the information Distributor Kit (IDK) at 1100, Fig. 11] comprising:

- a) a selected domain object [e.g., the language 1102, Fig. 11];
- b) a stylization context object, wherein the stylization context object includes a stylization context [e.g. the RDF object; col. 113, lines 41-58];
- c) a stylization agent [e.g. the ImportAgent, MatchAgent, DeliveryAgent, etc, col. 7, lines 1-5; col. 116, lines 21-64];
- d) a mapping of the stylization agent to a paired index of data objects and stylization context objects [e.g., the mapping module (1600) of Fig. 16; the RDF attribute/value pair indexing processing, col. 117, lines 35-46];
- e) a stylize method that invokes an appropriate stylization agent based on the mapping [e.g. the utility Match () method, col. 130, lines 54-55].

As to claims 20-21, Helgeson further discloses the system caches application object and presentation objects [e.g., see col. 47, line 44 – col. 48, line 60].

As to claims 22-24, the claimed features – the domain entity is a mechanical & AEC and GIS entity is default nature of a domain object in an internet data exchange computer system.

As to claims 25-36, these claims recite the same features as claims 13-24 in form of article of manufacture, hence are rejected for the same reason.

As to claims 1-12, the steps in the claimed method are deemed to be made inherent by the functions of the apparatus structure of claims 13-24 and 25-36 in the combination discussed above, hence were rejected for the same reasons.

Response to Arguments

Applicant's arguments based on the instant amendment with respect to claims 1-36 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

To expedite the process of examination, the examiner requests that all future correspondences in regard to overcoming prior art rejections or other issues (e.g. 35

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U.S.C. 112) set forth by the Examiner prior to the office action, that applicant should provide and link to the most specific page and line numbers of the disclosure where best support is found (see 35 U.S.C. 132).

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Y Chen whose telephone number is (703) 308-1155. The examiner can normally be reached on Monday - Friday from 7:00-4:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on (703) 308-1436. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Susan Chen
April. 08, 2004



UYEN LE
PRIMARY EXAMINER